

P.B.5818 - Patentlaan 2 2280 HV Rijswijk (ZH) \$\times\$ +31 70 340 2040 TX 31651 epo nl FAX +31 70 340 3016



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ABB Patent Attorneys c./o ABB Schweiz AG, Intellectual Property (CH-LC/IP Brown Boveri Strasse 6 5400 Baden SUISSE	)3 1 <sup>3</sup> GZ				
	Datum/Date 13.08.03				
Zeichen/Ref./Réf. 02/114 EP	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°.  02405935.4-1242-				
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titula ABB RESEARCH LTD.	ire				

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

X title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

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## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





## **EUROPEAN SEARCH REPORT**

Application Number EP 02 40 5935

	DOCUMENTS CONSIDE	RED TO BE RELEVANT	<del></del>	
Category	Citation of document with income of relevant passa	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)	
A	US 6 330 141 B1 (ELM 11 December 2001 (20 *.the whole document	001-12-11)	1-10	H02H3/05 H02J3/00
D,A	CHEN ET AL.: "A new protection scheme for transposed/untr	or osed parallel N POWER DELIVERY, il 2002 (2002-04), l162855	1-10	
D,A	XIA ET AL.: "Adapti stand-alone digital IEEE TRANSACTIONS OF vol. 9, no. 1, Janua pages 480-491, XP002 * the whole document	ary 1 <u>9</u> 94 (1994-01), 2249981	1	
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	The present search report has t	peen drawn un for all claims	$\dashv$	
	Place of search	Date of completion of the search		Examiner
	THE HAGUE	1 August 2003	Gei	ntili, L
X : par Y : par doo A : teo O : no	CATEGORY OF CITED DOCUMENTS dicularly relevant if taken alone dicularly relevant if combined with anot current of the same category thnological background n-written disclosure ermediate document	T: theory or prin E: earlier patent after the filing b: document cit L: document cit	ed in the application ed for other reasons	n s

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## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 02 40 5935

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

01-08-2003

Patent document cited in search report		Publication date		Patent family member(s)		Publication date		
US	6330141	Βį	11-12-2001	AU CA CN WO	6259001 - 2412614 1432209 0197357	A1 T	24-12-2001 20-12-2001 23-07-2003 20-12-2001	}
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